This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of storing a received digital signal which has been encrypted by an encryption key (CW) and transmitted in encrypted form, comprising the steps of:

decrypting the signal by a decryption module using a decryption key (CW) corresponding to the encryption key;

transmitting the decrypted signal along a first data path;

receiving the decrypted signal by a processor positioned along the first data path and processing the decrypted signal by the processor;

forwarding the encryption key corresponding to the decryption key (CW) along a second data path independent of the first data path;

converging the first and second data paths at an encryption module;

re-encrypting the processed signal using the encryption key; and

storing the re-encrypted signal.

2. (Original) A method according to claim 1, wherein the step of processing the decrypted signal includes manipulating it to improve storage and/or playback operation.

3. (Original) A method according to claim 1 or 2, wherein the decryption key (CW) is the same as the encryption key (CW).

4. (Previously Presented) A method according to claim 3, wherein the encryption key is one of a plurality of keys forming a key stream.

5. (Currently Amended) A method according to claim 4, further comprising delaying the key stream along the second data path after decrypting the signal and before re-encrypting the processed signal.

6. (Original) A method according to claim 5, including delaying the key stream in dependence on the processing being carried out on the decrypted signal.

7. (Previously Presented) A method according to claim 6, wherein the digital signal comprises a stream of transport packets, the method including synchronising the key stream with the transport packet stream.

8. (Previously Presented) A method according to claim 7, wherein the step of processing the decrypted signal comprises performing the operations of Packet Identification Number (PID) remapping, remultiplexing or transcoding.

9. (Currently Amended) A digital signal storage device for storing a digital signal which has been encrypted using an encryption key (CW) and transmitted in encrypted form, the device comprising:

decryption means for decrypting the signal using a decryption key corresponding to the encryption key;

means for processing the decrypted signal positioned along a first data path;

means for forwarding the encryption key along a second data path independent of the first data path;

encryption means for converging the first and second data paths and re-encrypting the processed signal using the encryption key; and

means for storing the re-encrypted signal.

10. (Previously Presented) A storage device according to claim 9, wherein the processing means comprises means for manipulating the decrypted signal to improve storage and/or playback operation.

11. (Original) A storage device according to claim 10, wherein the processing means comprises means for performing the operations of Packet Identification Number (PID) remapping, remultiplexing and/or transcoding.

12. (Original) A storage device according to any one of claims 9 to 11, wherein the decryption key (CW) is the same as the encryption key (CW).

13. (Previously Presented) A storage device according to claim12, wherein the encryption key is one of a plurality of keys forming a key stream.

14. (Currently Amended) A storage device according to claim 13, further including delay means positioned along the second data path for delaying the key stream prior to re-encrypting the decrypted signal.

15. (New) The method according to claim 1, wherein the steps are performed within a digital signal storage device.